

ABSTRACT

TITLE:      PIVOTING POWER TRANSMISSION UNIT WITH LOAD  
TRANSFER VIA THE CASING

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10      A pivoting power transmission unit is provided for driving a tiltable rotor  
of a convertible aircraft. The casing of the pivoting transmission unit comprises  
a lower casing, by which the casing is able to pivot on a support by two  
bearings each having a stationary part integral with the support and a  
swivelling part. The lower casing is assembled to an upper casing in which a  
drive shaft connected in rotation to gears housed in the casing is mounted so  
as to rotate about an axis of rotation perpendicular to the pivot axis of the  
casing. The upper casing is supported by an arrangement configured to  
15      transfer to the support via said bearings load/thrust forces experienced by the  
drive shaft during use.

Figure 1.